

GlideinWMS - Bug #24202

error in creating tarfile in reconfig_glidein

03/19/2020 01:24 PM - Dennis Box

Status:	Closed	Start date:	03/19/2020
Priority:	Normal	Due date:	
Assignee:	Dennis Box	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:	v3_7	Spent time:	0.00 hour
First Occurred:		Stakeholders:	
Occurs In:			

Description

I just tried to do a reconfig/upgrade on the 3_7_rc1 tagged code and this happened:

```
[root@fermicloud368 factory]# /usr/sbin/gwms-factory upgrade
Using default factory config file: /etc/gwms-factory/glideinWMS.xml
Traceback (most recent call last):
  File "/sbin/reconfig_glidein", line 279, in <module>
    main(conf, update_scripts, update_def_cfg, comment=comment)
  File "/sbin/reconfig_glidein", line 143, in main
    tar_utils.add(util_file_path, arcname=os.path.basename(util_file_path))
  File "/usr/lib64/python2.7/tarfile.py", line 1953, in add
    self._check("aw")
  File "/usr/lib64/python2.7/tarfile.py", line 2390, in check
    raise IOError("%s is closed" % self._class__.__name__)
IOError: TarFile is closed
Upgrading the factory [FAILED]
```

Looking at reconfig_glidein about line 133 to where it aborts at line 143 it is clear that there are 2 blocks that try to add the files from tar_file_list to the tarfile. The second time it tries to do it after the tarfile exits the with: block and is closed. This looks like a code review recommendation that was implemented but not well tested. Fortunately the fix is fairly obvious.

```
try:
    with tarfile.open("tar_utils.tar.gz", "w:gz", dereference=True) as tar_utils:
        for util_file in tar_file_list:
            util_file_path = os.path.join(cgWConsts.WEB_BASE_DIR, util_file)
            tar_utils.add(util_file_path, arcname=os.path.basename(util_file_path))
except tarfile.TarError as te:
    print2("Unable to pack the startup file payload. TarError: %s" % str(te))
    sys.exit(1)
for util_file in tar_file_list:
    util_file_path = os.path.join(cgWConsts.WEB_BASE_DIR, util_file)
    tar_utils.add(util_file_path, arcname=os.path.basename(util_file_path))
```

History

#1 - 03/19/2020 01:31 PM - Dennis Box

- Assignee changed from Dennis Box to Marco Mambelli
- Status changed from New to Feedback

see branch v37/w4032. I recommend this go into rc2

#2 - 03/26/2020 12:49 AM - Marco Mambelli

- Assignee changed from Marco Mambelli to Dennis Box

Did not find v37/w4032. Changes are in v37/24202, OK to merge.
It was my fault. I handled badly a 3-way merge and did not test after it

#3 - 03/30/2020 04:13 PM - Dennis Box

- *Status changed from Feedback to Resolved*

merged to branch_v3_7

#4 - 04/08/2020 11:44 AM - Marco Mambelli

- *Status changed from Resolved to Closed*